

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

09 502P

Date: 09.01.08	Job No.: 00224	ADR Yes/No: N	ADR Date: N/A	ECN #: 08- 002P
Product No.: D412-761-041	Created By: [Signature]	Approved By: [Signature]		
Product Name: VERTICAL REFERENCE DOOR		Checked By: [Signature]	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date	Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	[Signature] 09.01.09	DQA / QA Coord	N		
Production Engineering Coord	Y	ALL	[Signature] 09.01.09	QC Coordinator	N		
Production Document Control	Y	JD	[Signature] 09.01.09	Marketing	Y	SW	[Signature] 09.01.09
Customer Technical Support	Y	Dstow	[Signature] 09.01.09	Customer Order Processing	N		

Reason for Change:
RELEASE PRELIMINARY ISSUE OF ALL MANUFACTURING DRAWINGS REQD FOR D412-761-041.

Documents Affected:
RELEASE PRELIMINARY ISSUE OF:
D3589 REV. B, D3676 REV. B, D3694 REV. C, D3695 REV. C, D3696 REV. B, D3700 REV. A, D3701 REV. A, D3702 REV. B, D3703 REV. A, D3704 REV. A, D3705 REV. C, D3706 REV. A, D3707 REV. B, D3708 REV. A, D3709 REV. A, D3780 REV. C, D3781 REV. C, D3785 REV. B, D3790 REV. B, D3799 REV. A, D3801 REV. A, D3702 REV. B, D3867 REV. A.
PARTS LIST OF IIN-D412-761 REV. C

PARTS MUST COMPLY ☒ **PREVIOUS PARTS SATISFACTORY** ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	N			
9	Update Blue/Pink/DSI Folder and Electronic Files	N			
10	Update Controlled PDF Files	N			
11	Update Master Document List (MDL)	N			
12	Update Document Record (DR)	N			
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	Y	KJ	SEE BELOW.	09.01.14 [Signature]
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form	N	KJ	SEE BELOW.	
18	Create / Update PPP's	N	KJ	AS REQUIRED.	
19	Update Document Control Database / Laminated Dwgs	N			
20	Update Grey Project Binder	N			
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	N			
22	Distribute DSN & DXF Files	Y	MB		09.01.09
23					

Description / Action:
15) MOST PARTS ARE ALREADY IN THE SYSTEM. VERIFICATION IS REQUIRED.
17) ALL KITS (D412-761-041/-043/-045/-047/-049) ARE AT CHG 001.

ADDITIONAL NOTES: SEE ATTACHED.

ECN Verified & Complete: [Signature]

Date: 09/01/19

REQUIRED FOR HAI 2009:

- A) STAMP ALL W/Os WITH 'PRELIMINARY ISSUE' AND 'POSITIVE RECALL' STAMPS – TRACEABILITY IS REQUIRED;
- B) ENGINEERING APPROVAL WILL BE REQUIRED;
- C) ALL PROGRAMS FOR MACHINED/WATERJET PARTS MUST BE VERIFIED;

D412-761-041:

- D) A COMPLETE D412-761-041 IS REQUIRED FOR EAGLE COPTERS (HAI).
- E) P/N D3694-041 IS REQUIRED ASAP BY EAGLE COPTERS.
- F) MANUFACTURING OF D3781-041 OUTSOURCED TO AEROTEX.
- G) CHECK WITH ENGINEERING PRIOR TO SHIPPING THE D412-761-041 KIT TO EAGLE COPTERS.

RIGHT HAND VRD:

- H) FOR MANUFACTURING OF RH VRD (HAI), DAN (STOW) WILL REQUIRE QTY(5) EACH OF: D3700-1/-3, D3701-1F, D3702-1, D3703-1F/-3F/-5. PARTS NOT USED WILL GO IN STORES.
- I) A RIGHT HAND VERSION OF THE LATCH ASSEMBLY (P/Ns D3589-041/-043/-045/-047/-049) WILL BE REQUIRED. ALL PARTS AND FLAT PATTERNS ARE SAME AS STD LEFT HAND AT THE EXCEPTION OF P/Ns D3589-041/-043/-045/-047/-049/-7/-11/-19: CONSULT DAN & ENGINEERING.

Marc Bellavance

From: Mike Petsche [mpetsche@dartaero.com]
Sent: January 8, 2009 9:57 AM
To: 'Marc Bellavance'
Subject: FW: Eagle #7 VRD

FYI

-----Original Message-----

From: Bill Beckett [mailto:bbeckett@dartaero.com]
Sent: January 8, 2009 9:52 AM
To: 'Kelly Labas'
Cc: 'Dan Stow'; 'Sian Willems'; 'Mike Petsche'; 'David Shepherd'; 'Mike Mallon'; hsiemens@dartaero.com; 'Spyke Whiting'
Subject: Eagle #7 VRD

Kelly,
To summarize my discussions with you and others today:

- Eagle plans to fly Eagle#7 to HAI
- This a/c will be equipped with a "standard" Dart LH VRD. This door is currently being built up at Eagle - you will send Dart a PO for this kit.
- The "new" flight test VRD is currently at Dart. We will make the necessary cosmetic changes and ship to you Jan 14. You will do the fitting and then have painted. The instrument panel will be included in our shipment to you; Eagle to supply instruments for HAI.
- The HAI RH door will be shipped to Eagle Jan 21. Eagle to fit and then paint.
- Dart will send the necessary parts for the "new" LH VRD armrest Jan 14 to allow you to install the provisions at Eagle. The remainder of the armrest kit will be supplied by Dart and installed at HAI.
- The "new" LH & RH VRD doors will be installed at HAI. These doors will ideally be shipped by Eagle to HAI - TBD.

Bill

No virus found in this incoming message.

Checked by AVG.

Version: 7.5.552 / Virus Database: 270.10.4/1880 - Release Date: 07/01/2009
8:49 AM

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.552 / Virus Database: 270.10.5/1882 - Release Date: 08/01/2009
8:13 AM

Marc Bellavance

From: Marc Bellavance [mbellavance@dartaero.com]
Sent: January 9, 2009 8:50 AM
To: 'Jean-Luc Menard (E-mail)'
Cc: 'Mike Petsche'
Subject: ECN#09-002P - Emailing: D3694-1, D3695-1, D3695-3, D3696-1, D3704-1, D3706-1, D3707-1, D3707-3, D3790-1

Importance: High



D3694-1.DSN (227 KB)



D3695-1.DSN (130 KB)



D3695-3.DSN (257 KB)



D3696-1.DSN (132 KB)



D3704-1.DSN (206 KB)



D3706-1.DSN (431 KB)



D3707-1.DSN (140 KB)



D3707-3.DSN (142 KB)



D3790-1.DSN (256 KB)



























The message is ready to be sent with the following file or link attachments:

D3694-1.DSN
D3695-1.DSN
D3695-3.DSN
D3696-1.DSN
D3704-1.DSN
D3706-1.DSN
D3707-1.DSN
D3707-3.DSN
D3790-1.DSN

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Marc Bellavance

From: Marc Bellavance [mbellavance@dartaero.com]
Sent: January 9, 2009 10:14 AM
To: 'David Duval'
Cc: 'Mike Petsche'
Subject: ECN#09-002 - DXF Files

 D3867-1a.dxf (8 KB)	 D3589-7Fb.dxf (8 KB)	 D3589-9b.dxf (7 KB)	 D3589-11Fb.dxf (8 KB)	 D3589-13b.dxf (7 KB)	 D3589-15b.dxf (7 KB)	 D3589-17b.dxf (32 KB)
 D3589-19Fb.dxf (19 KB)	 D3694-3c.dxf (8 KB)	 D3694-5c.dxf (8 KB)	 D3700-1a.dxf (8 KB)	 D3700-3a.dxf (8 KB)	 D3701-1Fa.dxf (208 KB)	 D3702-1b.dxf (396 KB)
 D3703-1Fa.dxf (73 KB)	 D3703-3Fa.dxf (11 KB)	 D3703-5a.dxf (12 KB)	 D3705-1Fc.dxf (23 KB)	 D3705-3Fc.dxf (15 KB)	 D3705-7c.dxf (18 KB)	 D3705-9c.dxf (12 KB)
 D3705-11c.dxf (13 KB)	 D3709-1Fa.dxf (26 KB)	 D3709-3Fa.dxf (26 KB)	 D3781-1Fc.dxf (10 KB)	 D3785-3Fb.dxf (13 KB)		

The message is ready to be sent with the following file or link attachments:

D3867-1a
D3589-7Fb
D3589-9b
D3589-11Fb
D3589-13b
D3589-15b
D3589-17b
D3589-19Fb
D3694-3c
D3694-5c
D3700-1a
D3700-3a
D3701-1Fa
D3702-1b
D3703-1Fa
D3703-3Fa
D3703-5a
D3705-1Fc
D3705-3Fc
D3705-7c
D3705-9c
D3705-11c
D3709-1Fa
D3709-3Fa
D3781-1Fc
D3785-3Fb

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5.0 PARTS LIST

QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	PART NUMBER	DESCRIPTION
X					D412-761-041	FULL VERTICAL REFERENCE DOOR KIT, LH
1	X				D412-761-043	MODIFIED LATCH MECHANISM KIT, LH
1		X			D412-761-045	LARGE BUBBLE WINDOW KIT, LH
1			X		D412-761-047	DOOR MOUNTED INSTRUMENT PANEL KIT
1				X	D412-761-049	ARMREST KIT, LH
	1				D3589-041	LATCH ASSEMBLY
	1				D3589-047	FORWARD GUIDE
	1				D3589-049	AFT GUIDE
	2				MS16997-22	SCREW
	2				AN960JD6L	WASHER
	2				MS21042L06	NUT
		1			D3676-1	LARGE BUBBLE WINDOW
		1			D3678-1	PLACARD
		1			D3700-1	INBOARD WINDOW DOUBLER
		1			D3700-3	OUTBOARD WINDOW DOUBLER
		1			D3701-1	FLOOR DOUBLER
		1			D3702-1	FORWARD DOUBLER
		1			D3703-1	AFT DOUBLER
		1			D3703-3	AFT CORNER DOUBLER
		1			D3703-5	AFT CAP
		1			D3704-1	ESCUTCHEON
		1			D3708-1	ANGLE
		1			D3708-3	ANGLE
		1			D3709-1	ANGLE
		1			D3709-3	ANGLE
		1			D3802-1-135	SEAL
		26			AN3-7A	BOLT
		52			AN960JD10	WASHER
		26			MS21042L3	NUT
		1			MS24694-C5	SCREW (OR MS24694-S5)
		1			MS24694-C13	SCREW (OR MS24694-S13)
			1		D3705-041	INSTRUMENT PANEL ASSEMBLY
			1		D3705-043	* INSTRUMENT PANEL WELDMENT
			1		D3335-1	* SPRING
			1		D3705-5	* ACCESS PANEL
			1		D3706-5	* PIN
			2		D3707-3	* MOUNTING LUG
			4		AN526C1032R6	* SCREW
			1		AN960JD516	* WASHER
			1		MS171498	* SPRING SLOTTED PIN
			4		MS24693-C272	* SCREW (OR MS24693-S272)

*DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

(CONTINUED ON PAGE 9)

(CONTINUED FROM PAGE 8)

QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	PART NUMBER	DESCRIPTION
			1		D3867-1	CONNECTOR PLATE
			4		AN3-3A	BOLT
			6		AN526C1032R6	SCREW
			2		AN743-12	BRACKET
			4		AN960JD10	WASHER
			2		AN960JD10L	WASHER
			6		MS21075L3	NUTPLATE (OR MS21073-3)
			4		MS24693-C272	SCREW (OR MS24693-S272)
			1		MS27039-1-17	SCREW
			1		MS27039-1-27	SCREW
			4		MS21042L3	NUT
			2		MS21919WDG8	CLAMP
				1	D3694-041	MOUNTING PLATE ASSEMBLY
				1	D3694-1	* KEYWAY
				1	D3694-3	* PROTECTIVE PLATE
				1	D3694-5	* MOUNTING PLATE
				1	AN526C1032R8	* SCREW
				5	AN960JD10	* WASHER
				4	MS21042L3	* NUT
				2	MS21209F1-20	* HELI-COIL, SCREW LOCKING (RED)
				1	MS24693-C271	* SCREW (OR MS24693-S271)
				4	MS24693-C273	* SCREW (OR MS24693-S273)
				1	D3695-041	SLIDER ASSEMBLY
				1	D3695-1	* SLIDER
				1	D3695-3	* STOPPER
				1	D3801-1	* HAND RETRACTABLE SPRING PLUNGER
				1	MS21209F6-25	* HELI-COIL, SCREW LOCKING (RED)
				4	MS21209F1-20	* HELI-COIL, SCREW LOCKING (RED)
				4	MS24693-C276	* SCREW (OR MS24693-S276)
				1	D3780-041	ARMREST ASSEMBLY
				1	D3696-041	* ARM ASSEMBLY
				1	D3696-1	** ARM
				1	D3801-3	** HAND RETRACTABLE SPRING PLUNGER
				1	D3781-041	* CUSHION ASSEMBLY
				1	D3785-3	* BRACKET
				11	AN3-6A	BOLT
				1	AN6-26	BOLT
				1	AN310-6	CASTELLATED NUT
				11	AN960JD10	WASHER
				1	AN960JD616L	WASHER
				2	NAS1515H6L	WASHER
				1	MS24665-285	COTTER PIN
				3	MS21071L3	ANCHORNUT
				8	MS21075L3	NUTPLATE

* DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

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Revision: C

Date: 08.12.08